ELSEVIER

Journal of Non-Crystalline Solids 204 (1996) 311–313

JOURNAL OF NON-CRYSTALLINE SOLIDS

Author index

Adam, J.L., see Binnemans, K. 204 (1996) 178
Aivazov, A.A., see Budaguan, B.G. 204 (1996) 169
Auzel, F., see Lipinska-Kalita, K.E. 204 (1996) 188

Beier, W., see Buchmayer, G. 204 (1996) 253
Bhatnagar, A.K., B. Seshu, G.V. Sudhakar Rao and N.R. Munirathnam, Mössbauer measurements of amorphous $Fe_{72-x}Ni_{10+x-y}Mo_yB_{16}Si_2$ 204 (1996) 305
Binnemans, K., D. Verboven, C. Görller-Walrand, J. Lucas, N. Duhamel-Henry and J.L. Adam, Optical absorption and magnetic circular dichroism spectra of neodymium doped fluorozirconate (ZBLAN) glass 204 (1996) 178
Bo, Z., see Dong, D. 204 (1996) 260
Brückner, R., see Murach, J. 204 (1996) 282
Buchmayer, G., E. Rädlein, G.H. Frischat, W. Beier and B. Speit, Paramagnetic centers in glasses induced by low earth orbit space radiation 204 (1996) 253
Budaguan, B.G., A.A. Aivazov and A.Yu. Sazonov, Calorimetric investigation of structural processes in porous silicon 204 (1996) 169

Chand, I., see Prakash, D. 204 (1996) 46
Chand, P., see Prakash, D. 204 (1996) 46
Cheong, K.-I., D.-M. Zhu and E.W. Hellmuth, Thermal transport in a glassy polymer after being compressed at high pressure 204 (1996) 158
Chuvaeva, T.I., see Kang, U. 204 (1996) 151
Coutures, J.-P., see Jaymes, I. 204 (1996) 125
Cull, T.C., see Kelton, K.F. 204 (1996) 13
Cull, T.S., see Ray, C.S. 204 (1996) 1

Danesh, P., A. Toneva, I. Savatinova and E. Liarokapis, Correlations between structural and optoelectronic properties of a-Si:H grown by homogeneous chemical vapor deposition 204 (1996) 265
Davidović, M., see Tomić, P. 204 (1996) 32
Day, D.E., see Ray, C.S. 204 (1996) 1
Dimitriev, Y., see Iordanova, R. 204 (1996) 141
Dimitrov, V., see Iordanova, R. 204 (1996) 141
Donatti, D.A. and D.R. Vollet, Study of the hydrolysis of TEOS–TMOS mixtures under ultrasound stimulation 204 (1996) 301
Dong, D., Z. Bo, J. Zhu and F. Ma, Study of properties of InF_3-based glasses containing different valent fluorides 204 (1996) 260
Douy, A., see Jaymes, I. 204 (1996) 125
Duhamel-Henry, N., see Binnemans, K. 204 (1996) 178
Dunken, H.H., see Herrmann, U. 204 (1996) 273
Dunlap, C., see Zhang, P. 204 (1996) 294
Dupree, R., see Wootton, A.M. 204 (1996) 217
Dutta, V., see Murthy, R.V.R. 204 (1996) 92
Dymshits, O.S., see Kang, U. 204 (1996) 151

Ebeling, P., see Khalilev, V.D. 204 (1996) 196
Einarsrud, M.-A., see Hæreid, S. 204 (1996) 228
El-Nahhal, I.M., see Yang, J.J. 204 (1996) 105
Elliott, S.R., see Kawaguchi, T. 204 (1996) 83

Farges, F., Coordination of Ti in crystalline and glassy fresnoites: A high-resolution XANES spectroscopy study at the Ti K-edge 204 (1996) 53
Farnan, I., see Zhang, P. 204 (1996) 294
Fedosyuk, V.M. and J.M. Riveiro, Mössbauer study of the microstructure of electrodeposited $Co_{92-x}W_xFe_8$ films 204 (1996) 99
Florian, P., see Zhang, P. 204 (1996) 294
Friede, B. and M. Jansen, Some comments on so-called 'silicon monoxide' 204 (1996) 202
Frischat, G.H., see Buchmayer, G. 204 (1996) 253
Fujimori, H., M. Mizukami and M. Oguni, Calorimetric study of 1,3-diphenyl-1,1,3,3-tetramethyldisiloxane: Emergence of α-, β-, and crystalline-glass transitions 204 (1996) 38

Görller-Walrand, C., see Binnemans, K. 204 (1996) 178
Grabow, M.H., see Vogel, E.M. 204 (1996) 95
Grandinetti, P.J., see Zhang, P. 204 (1996) 294

Hæreid, S., E. Nilsen and M.-A. Einarsrud, Properties of silica gels aged in TEOS 204 (1996) 228
Hase, H., see Nasu, H. 204 (1996) 78
Hellmuth, E.W., see Cheong, K.-I. 204 (1996) 158
Herrmann, U., H.H. Dunken, E. Wendler and W. Wesch, Simulation of IR and VIS–NIR spectra of Si^+ implanted SiO_2 glass 204 (1996) 273

Howes, A.P., see Wootton, A.M. 204 (1996) 217
Huang, W., see Ray, C.S. 204 (1996) 1

Ihara, H., The observation of plasma induced defect density at a-Si:H interface by quasi-static *C–V* measurement 204 (1996) 164
Iordanova, R., Y. Dimitriev, V. Dimitrov, S. Kassabov and D. Klissurski, Glass formation and structure in the V_2O_5–Bi_2O_3–Fe_2O_3 glasses 204 (1996) 141
Ito, T., see Nasu, H. 204 (1996) 78

Jansen, M., see Friede, B. 204 (1996) 202
Jarzębski, A.B. and L. Pająk, Structure of silica aerogels obtained from a single-step base catalyzed process boosted by fluorine anions 204 (1996) 172
Jaymes, I., A. Douy, D. Massiot and J.-P. Coutures, Evolution of the Si environment in mullite solid solution by ^{29}Si MAS-NMR spectroscopy 204 (1996) 125

Kamiya, K., see Nasu, H. 204 (1996) 78
Kang, U., O.S. Dymshits, A.A. Zhilin, T.I. Chuvaeva and G.T. Petrovsky, Structural states of Co(II) in β-eucryptite-based glass-ceramics nucleated with ZrO_2 204 (1996) 151
Kassabov, S., see Iordanova, R. 204 (1996) 141
Kawaguchi, T., S. Maruno and S.R. Elliott, Optical and electrical properties of amorphous Cu-rich Cu–Ge–S films: Photoinduced and thermally induced phenomena 204 (1996) 83
Kelton, K.F., K.L. Narayan, L.E. Levine, T.C. Cull and C.S. Ray, Computer modeling of non-isothermal crystallization 204 (1996) 13
Kelton, K.F., see Ray, C.S. 204 (1996) 1
Khalilev, V.D., P. Ebeling and N.U. Vinogradova, The influence of oxide doping on some optical properties of fluoroaluminate glasses 204 (1996) 196
King, T.A., see Li, X. 204 (1996) 235
Kitchin, S., see Wootton, A.M. 204 (1996) 217
Klissurski, D., see Iordanova, R. 204 (1996) 141

Landron, C., Ph. Odier and F. Villain, Zirconia processing by a sulphate route: Structural investigation of the aerosol precursor 204 (1996) 65
Levine, L.E., see Kelton, K.F. 204 (1996) 13
Lewis, M.H., see Wootton, A.M. 204 (1996) 217
Li, X. and T.A. King, Spectroscopic studies of sol–gel-derived organically modified silicates 204 (1996) 235
Liarokapis, E., see Danesh, P. 204 (1996) 265
Lin, J.-S. and P. Shen, Fabrication of CaO–ZrO_2–TiO_2–Al_2O_3–B_2O_3–SiO_2 glasses and glass-ceramics. I 204 (1996) 135
Lipinska-Kalita, K.E., F. Auzel and P. Santa-Cruz, Raman and spectroscopic studies of the early steps of crystallization in ZrF_4–LaF_3–AlF_3–ErF_3 glass 204 (1996) 188
Lucas, J., see Binnemans, K. 204 (1996) 178

Ma, F., see Dong, D. 204 (1996) 260
Macdonald, J.R., Erratum to 'Analysis of dispersed, conducting-system frequency-response data' [J. Non-Cryst. Solids 197 (1996) 83–110] 204 (1996) 309
Maciel, G.E., see Yang, J.J. 204 (1996) 105
Martin, S.W., see Vogel, E.M. 204 (1996) 95
Maruno, S., see Kawaguchi, T. 204 (1996) 83
Massiot, D., see Jaymes, I. 204 (1996) 125
Matsuoka, J., see Nasu, H. 204 (1996) 78
Mizukami, M., see Fujimori, H. 204 (1996) 38
Munirathnam, N.R., see Bhatnagar, A.K. 204 (1996) 305
Murach, J. and R. Brückner, Structure-sensitive investigations on alkali metasilicate glass fibers 204 (1996) 282
Murthy, R.V.R. and V. Dutta, Effect of light soaking on a-Si:H solar cells under reverse biased annealing treatment 204 (1996) 92

Narayan, K.L., see Kelton, K.F. 204 (1996) 13
Narayan, K.L., see Ray, C.S. 204 (1996) 1
Nasu, H., T. Ito, H. Hase, J. Matsuoka and K. Kamiya, Third-order optical non-linearity of Bi_2O_3-based glasses 204 (1996) 78
Nilsen, E., see Hæreid, S. 204 (1996) 228

Odier, Ph., see Landron, C. 204 (1996) 65
Oguni, M., see Fujimori, H. 204 (1996) 38

Pająk, L., see Jarzębski, A.B. 204 (1996) 172
Petrovsky, G.T., see Kang, U. 204 (1996) 151
Prakash, D., V.P. Seth, I. Chand and P. Chand, EPR study of vanadyl ion in $CoO \cdot PbO \cdot B_2O_3$ glasses 204 (1996) 46

Rädlein, E., see Buchmayer, G. 204 (1996) 253
Rappensberger, M., see Wootton, A.M. 204 (1996) 217
Ray, C.S., D.E. Day, W. Huang, K.L. Narayan, T.S. Cull and K.F. Kelton, Non-isothermal calorimetric studies of the crystallization of lithium disilicate glass 204 (1996) 1
Ray, C.S., see Kelton, K.F. 204 (1996) 13
Riveiro, J.M., see Fedosyuk, V.M. 204 (1996) 99

Santa-Cruz, P., see Lipinska-Kalita, K.E. 204 (1996) 188
Savatinova, I., see Danesh, P. 204 (1996) 265
Sazonov, A.Yu., see Budaguan, B.G. 204 (1996) 169
Scherer, G.W., Bending a gel rod with an impermeable surface 204 (1996) 73
Scherer, G.W., Thermal expansion of a gel layer on a rigid substrate 204 (1996) 118

Seshu, B., see Bhatnagar, A.K. 204 (1996) 305
Seth, V.P., see Prakash, D. 204 (1996) 46
Shackelford, J.F., The interstitial structure of non-crystalline solids 204 (1996) 205
Shen, P., see Lin, J.-S. 204 (1996) 135
Speit, B., see Buchmayer, G. 204 (1996) 253
Stebbins, J.F., see Zhang, P. 204 (1996) 294
Sudhakar Rao, G.V., see Bhatnagar, A.K. 204 (1996) 305

Tomić, P. and M. Davidović, The study of relaxational properties and crystallization of the metallic glass $Fe_{80}Si_{10}B_{10}$ 204 (1996) 32
Toneva, A., see Danesh, P. 204 (1996) 265

Uchino, T. and T. Yoko, Ab initio cluster model calculations on the vibrational frequencies of TeO_2 glass 204 (1996) 243

Verboven, D., see Binnemans, K. 204 (1996) 178
Villain, F., see Landron, C. 204 (1996) 65
Vinogradova, N.U., see Khalilev, V.D. 204 (1996) 196
Vogel, E.M., M.H. Grabow and S.W. Martin, Role of silica densification in the performance of optical connectors 204 (1996) 95
Vollet, D.R., see Donatti, D.A. 204 (1996) 301

Wendler, E., see Herrmann, U. 204 (1996) 273
Wesch, W., see Herrmann, U. 204 (1996) 273
Wootton, A.M., M. Rappensberger, M.H. Lewis, S. Kitchin, A.P. Howes and R. Dupree, Structural properties of multi-component silicon oxycarbide glasses derived from metal alkoxide precursors 204 (1996) 217

Yang, J.J., I.M. El-Nahhal and G.E. Maciel, Synthesis and solid-state NMR structural characterization of some functionalized polysiloxanes 204 (1996) 105
Yoko, T., see Uchino, T. 204 (1996) 243

Zhang, P., C. Dunlap, P. Florian, P.J. Grandinetti, I. Farnan and J.F. Stebbins, Silicon site distributions in an alkali silicate glass derived by two-dimensional ^{29}Si nuclear magnetic resonance 204 (1996) 294
Zhilin, A.A., see Kang, U. 204 (1996) 151
Zhu, D.-M., see Cheong, K.-I. 204 (1996) 158
Zhu, J., see Dong, D. 204 (1996) 260

ELSEVIER

Journal of Non-Crystalline Solids 204 (1996) 315–317

JOURNAL OF NON-CRYSTALLINE SOLIDS

Subject index

Aerogels
Fluorides, Structure 204 (1996) 172
Processing Variables, Sol–Gel Processes 204 (1996) 228

Alkali Silicate Glasses
Annealing Effects, Calorimetry, Crystallization 204 (1996) 1
Glass Transition, Optical Properties, Structural Relaxation 204 (1996) 282
Nuclear Magnetic Resonance, Structure 204 (1996) 294

Alloys
Crystallization, Magnetic Properties, Metallic Glasses 204 (1996) 32
Magnetic Properties, Mössbauer Effect 204 (1996) 305

Amorphous Alloys
Electrodeposition, Mössbauer Effect, Thin Films, X-ray Diffraction 204 (1996) 99

Amorphous Solids
Modelling, Structure 204 (1996) 205

Annealing Effects
Alkali Silicate Glasses, Calorimetry, Crystallization 204 (1996) 1

Calorimetry
Alkali Silicate Glasses, Annealing Effects, Crystallization 204 (1996) 1
Crystal to Amorphous Phase Transformation, Glass Transition 204 (1996) 38

Chalcogenides
Photoinduced Effects 204 (1996) 83

Coordination
Glasses Containing Transition Metal Ions, XANES 204 (1996) 53

Crystal to Amorphous Phase Transformation
Calorimetry, Glass Transition 204 (1996) 38

Crystallization
Alkali Silicate Glasses, Annealing Effects, Calorimetry 204 (1996) 1
Alloys, Magnetic Properties, Metallic Glasses 204 (1996) 32
Modelling, Nucleation, Phase Transition 204 (1996) 13
Transition Metals 204 (1996) 151

Defects
Deposition Techniques, Silicon, Thin Film Transistors 204 (1996) 164

Densification
Fibers, Silica 204 (1996) 95

Deposition Techniques
Defects, Silicon, Thin Film Transistors 204 (1996) 164

Differential Scanning Calorimetry
Porosity, Silicon 204 (1996) 169

Electrical Properties
Optical Properties, Silicon, Vapour Phase Deposition 204 (1996) 265

Electrodeposition
Amorphous Alloys, Mössbauer Effect, Thin Films, X-ray Diffraction 204 (1996) 99

Electron Spin Resonance
Glasses Containing Transition Metal Ions, Oxides 204 (1996) 46
Oxides, Radiation Effects 204 (1996) 253

EXAFS
Oxides, Sol–Gel Processes, XANES, X-ray Diffraction 204 (1996) 65

Fibers
Densification, Silica 204 (1996) 95

Fluorides
Aerogels, Structure 204 (1996) 172
Magnetic Properties, Optical Properties, Rare Earth Ions 204 (1996) 178
Thermal Properties 204 (1996) 260

Fluoride Glasses
Optical Properties, Oxides 204 (1996) 196
Raman Spectra 204 (1996) 188

Glass Ceramics
Glass Formation, Glass Transition, Oxides 204 (1996) 135

Glass Formation
Glass Ceramics, Glass Transition, Oxides 204 (1996) 135
Phosphates, Transition Metals 204 (1996) 141

Glass Transition
Alkali Silicate Glasses, Optical Properties, Structural Relaxation 204 (1996) 282
Calorimetry, Crystal to Amorphous Phase Transformation 204 (1996) 38
Glass Ceramics, Glass Formation, Oxides 204 (1996) 135

Glasses Containing Transition Metal Ions
Coordination, XANES 204 (1996) 53
Electron Spin Resonance, Oxides 204 (1996) 46

Ion Implantation
Ion Irradiation, Optical Properties 204 (1996) 273

Ion Irradiation
Ion Implantation, Optical Properties 204 (1996) 273

Magnetic Properties
Alloys, Crystallization, Metallic Glasses 204 (1996) 32
Alloys, Mössbauer Effect 204 (1996) 305
Fluorides, Optical Properties, Rare Earth Ions 204 (1996) 178

Mechanical Properties
Sol–Gel Processes 204 (1996) 73

Medium-Range Order
Oxides, Raman Spectra 204 (1996) 243

Metallic Glasses
Alloys, Crystallization, Magnetic Properties 204 (1996) 32

Modelling
Amorphous Solids, Structure 204 (1996) 205
Crystallization, Nucleation, Phase Transition 204 (1996) 13

Mössbauer Effect
Alloys, Magnetic Properties 204 (1996) 305
Amorphous Alloys, Electrodeposition, Thin Films, X-ray Diffraction 204 (1996) 99

Non-linear Optics
Oxides 204 (1996) 78

Nuclear Magnetic Resonance
Alkali Silicate Glasses, Structure 204 (1996) 294
Oxides, Structure 204 (1996) 125
Oxycarbide Glasses, Sol–Gel Processes, Structure 204 (1996) 217
Sol–Gel Processes, Structure 204 (1996) 105

Nucleation
Crystallization, Modelling, Phase Transition 204 (1996) 13

Optical Properties
Alkali Silicate Glasses, Glass Transition, Structural Relaxation 204 (1996) 282
Electrical Properties, Silicon, Vapour Phase Deposition 204 (1996) 265
Fluorides, Magnetic Properties, Rare Earth Ions 204 (1996) 178
Fluoride Glasses, Oxides 204 (1996) 196
Ion Implantation, Ion Irradiation 204 (1996) 273

Oxides
Electron Spin Resonance, Glasses Containing Transition Metal Ions 204 (1996) 46
Electron Spin Resonance, Radiation Effects 204 (1996) 253
EXAFS, Sol–Gel Processes, XANES, X-ray Diffraction 204 (1996) 65
Fluoride Glasses, Optical Properties 204 (1996) 196
Glass Ceramics, Glass Formation, Glass Transition 204 (1996) 135
Medium-Range Order, Raman Spectra 204 (1996) 243
Non-linear Optics 204 (1996) 78
Nuclear Magnetic Resonance, Structure 204 (1996) 125

Oxycarbide Glasses
Nuclear Magnetic Resonance, Sol–Gel Processes, Structure 204 (1996) 217

Phase Transition
Crystallization, Modelling, Nucleation 204 (1996) 13

Phosphates
Glass Formation, Transition Metals 204 (1996) 141

Photoinduced Effects
Chalcogenides 204 (1996) 83
Solar Cells, Stäbler–Wronski Effect 204 (1996) 92

Polymers
Pressure Effects, Thermal Properties 204 (1996) 158

Porosity
Differential Scanning Calorimetry, Silicon 204 (1996) 169

Pressure Effects
Polymers, Thermal Properties 204 (1996) 158

Processing Variables
Aerogels, Sol–Gel Processes 204 (1996) 228

Radiation Effects
Electron Spin Resonance, Oxides 204 (1996) 253

Raman Spectra
Fluoride Glasses 204 (1996) 188
Medium-Range Order, Oxides 204 (1996) 243

Rare Earth Ions
Fluorides, Magnetic Properties, Optical Properties 204 (1996) 178

Reactions
Sol–Gel Processes 204 (1996) 301

Silica
Densification, Fibers 204 (1996) 95

Silicon
Defects, Deposition Techniques, Thin Film Transistors 204 (1996) 164
Differential Scanning Calorimetry, Porosity 204 (1996) 169
Electrical Properties, Optical Properties, Vapour Phase Deposition 204 (1996) 265
Silicon Dioxide, XANES 204 (1996) 202

Silicon Dioxide
Silicon, XANES 204 (1996) 202

Solar Cells
Photoinduced Effects, Stäbler–Wronski Effect 204 (1996) 92

Sol–Gel Processes
Aerogels, Processing Variables 204 (1996) 228
EXAFS, Oxides, XANES, X-ray Diffraction 204 (1996) 65
Mechanical Properties 204 (1996) 73
Nuclear Magnetic Resonance, Oxycarbide Glasses, Structure 204 (1996) 217
Nuclear Magnetic Resonance, Structure 204 (1996) 105
Reactions 204 (1996) 301
Thermal expansion 204 (1996) 118
Water in Glass 204 (1996) 235

Stäbler–Wronski Effect
Photoinduced Effects, Solar Cells 204 (1996) 92

Structural Relaxation
Alkali Silicate Glasses, Glass Transition, Optical Properties 204 (1996) 282

Structure
Aerogels, Fluorides 204 (1996) 172
Alkali Silicate Glasses, Nuclear Magnetic Resonance 204 (1996) 294
Amorphous Solids, Modelling 204 (1996) 205
Nuclear Magnetic Resonance, Oxides 204 (1996) 125
Nuclear Magnetic Resonance, Oxycarbide Glasses, Sol–Gel Processes 204 (1996) 217
Nuclear Magnetic Resonance, Sol–Gel Processes 204 (1996) 105

Thermal expansion
Sol–Gel Processes 204 (1996) 118

Thermal Properties
Fluorides 204 (1996) 260
Polymers, Pressure Effects 204 (1996) 158

Thin Film Transistors
Defects, Deposition Techniques, Silicon 204 (1996) 164

Thin Films
Amorphous Alloys, Electrodeposition, Mössbauer Effect, X-ray Diffraction 204 (1996) 99

Transition Metals
Crystallization 204 (1996) 151
Glass Formation, Phosphates 204 (1996) 141

Vapour Phase Deposition
Electrical Properties, Optical Properties, Silicon 204 (1996) 265

Water in Glass
Sol–Gel Processes 204 (1996) 235

XANES
Coordination, Glasses Containing Transition Metal Ions 204 (1996) 53
EXAFS, Oxides, Sol–Gel Processes, X-ray Diffraction 204 (1996) 65
Silicon, Silicon Dioxide 204 (1996) 202

X-ray Diffraction
Amorphous Alloys, Electrodeposition, Mössbauer Effect, Thin Films 204 (1996) 99
EXAFS, Oxides, Sol–Gel Processes, XANES 204 (1996) 65